



4060/58-2

POLYENE COMPOUNDS

Abstract of Disclosure

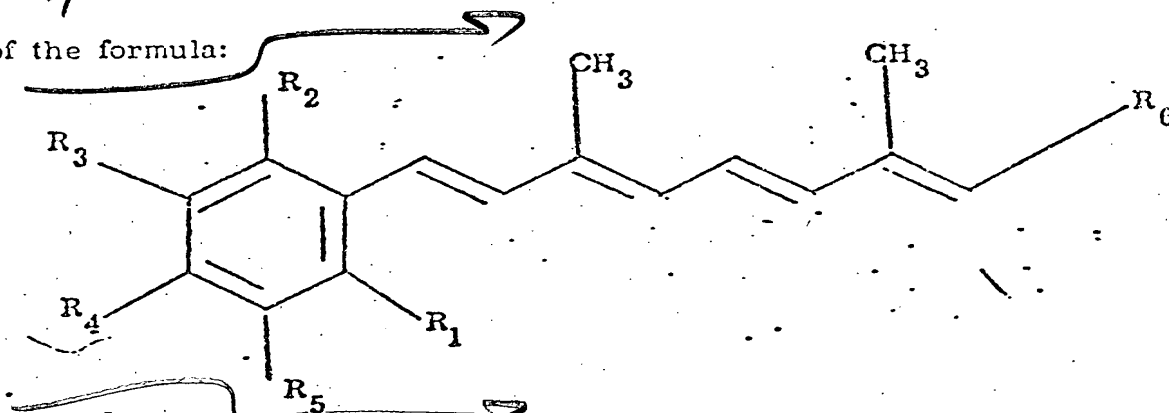
Novel 9-phenyl 5,6-dimethyl-nona-2,4,6,8-tetraenoic acid, tetraenal or tetraenol derivatives useful as anti-tumor agents.

Cross Reference to Related Applications

This application is a continuation-in-part application of prior application Serial No. 603,143, filed August 1, 1975, which in turn is a continuation-in-part application of application Serial No. 454,007, filed March 22, 1974.

Summary of the Invention

In accordance with this invention, it has been found that compounds of the formula:



wherein R_1 and R_2 are lower alkyl; R_3 is hydrogen, lower alkyl, lower alkoxy, lower alkenyloxy, nitro, halo, amino, lower alkyl-amino, lower alkanoylamino, or N-heterocyclyl; R_4 is hydrogen, lower alkyl, lower alkenyl, lower alkoxy, lower alkenyloxy, nitro, lower alkanoyloxy, amino, lower alkylamino or N-heterocyclyl; R_5 is hydrogen, lower alkyl, lower alkenyl, lower alkoxy, lower alkenyloxy, nitro, halo, amino, lower alkanoylamino, lower alkyl amino,